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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/648,685	08/26/2003	Joshy Joseph	POU920030043US1	3776

7590 02/27/2007
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EXAMINER

SEYE, ABDOU K

ART UNIT	PAPER NUMBER
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2194

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/27/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/648,685

Applicant(s)

JOSEPH ET AL.

Examiner

Abdou Karim Seye

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 15 December 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12/15/2006, 08/26/2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


WILLIAM THOMSON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. The amendment filed on December 15, 2006 has been received and entered. The amendment amended Claims 1,6,11, 17 and 21. The currently pending claims considered below are Claims 1-30.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-30 are rejected under 35 U.S.C. 102(b) as being anticipated by **Taylor, et al. (US 20030093551)**.

Claims 1, 6, 11 and 21 Taylor teaches,

a method and system for dynamically associating type information about extensible messages in a service-oriented architecture, the method comprising:

configuring a simple object access protocol (SOAP) message header associated with a SOAP message body to include message meta-data and semantics describing at least a portion of the content of said SOAP message body, thereby facilitating a dynamic exchange of semantic and meta-data information for open content message exchange between a sender and a receiver (paragraph 132, 133 and 134).

Claim 2, Taylor teaches,

wherein said SOAP message header includes an extensible markup language (XML) schema for an XML <any> type message (paragraph 133).

Claims 3 and 8, Taylor teaches ,

wherein said SOAP message header further includes at least one object system type (paragraph 90, 132 and 134).

Claims 4 and 9, Taylor teaches,

wherein said SOAP message header further includes a resource description framework (RDF) description of the message (fig. 1; paragraph 94, 96 , 98 and 143) ; RDF syntax is widely used in XML by grouping multiple statements for the same resource into a description element). Therefore the element "XML" of Taylor's reference meets the claimed limitation of the claim.

Claims 5 and 10: Taylor teaches,

wherein said SOAP message header includes a reference to <any> data included within the body of the SOAP message (paragraph 127; the claimed element <any> is widely used in XML for allowing any element to appear). Therefore the term "XML" in Taylor's reference meets the claimed limitation of the claim.

Claims 12 and 22: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 1, 6, 11 and 21 above and further discloses processing meta-data with an implemented SOAP, XML processors (fig. 3, paragraph 133); Validating and mapping the extensible XML messages (fig. 3, paragraph 133, 134).

Claims 13 and 23: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 12 and 22 above and further discloses that the said meta-data processor includes:

- a. Processing XML schemaLocation attribute and namespace information associated with an extended XML message (fig.3, 133, 134);
- b. A resource description framework (RDF) processor for interpreting said semantic information (fig. 3, paragraph 134); and
- c. A processor for managing type system and type mapping information (fig.3, paragraph 132,133,134).

Claims 14 and 24: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 1, 6, 11 and 21 above and further discloses an user/ application programming (API) interfaces (fig. 3/10, paragraph 132).

Claims 15 and 25: Taylor discloses a method for synthesizing and processing dynamically associated meta-data as in claims 1, 6, 11 and 21 above and further discloses a receiver/server program (fig. 2/12, paragraph 132), the meta data bases upon a defined message extension policy for XML message(paragraph 143).

Claims 16 and 26: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 1, 6, 11 and 21 above and further discloses a server (fig. 3 ; paragraph 133).

Claims 17 and 27: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 1, 6, 11 and 21 above and further discloses a " SOAP " (fig. 3; paragraph 133).

Claims 18 and 28: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 1, 6, 11 and 21 above and further discloses an "XML" processor (fig. 3; paragraph 133).

Claims 19 and 29: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 16 and 26 above and further discloses a uniform resource identifier (URI) specified within SOAP which is inherent and widely used in combination with XML to locate/identify a resource such as server (in paragraph 112 and 133, the elements "resource manager interface " and "SOAP, XML" of Taylor's reference meets the claimed limitation of the claim).

Claims 20 and 30: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 18 and 28 above and further discloses that the said associating XML processor generates warning messages upon encountering at least one of XML elements and XML attributes that are unspecified by the XML schema; throwing an exception (fig. 7b, paragraph 270,271).

Response to Arguments

4. Applicant's arguments filed December 15, 2006 have been fully considered but they are not persuasive.

a. Claims 1, 6, 11 and 21: Applicant argues that, "Taylor does not teach SOAP message in which the meta-data contained in the SOAP message header describes at least a portion of the message itself", in paragraph 133, 97, 98 and 114 Taylor discloses the exchange of message objects between a client and a server application and these objects contain information data that is part of the message being sent. Therefore the data of the objects could be the content of the SOAP message.

b. Claims 2 and 7, It appears that the element <ANY> the applicant is arguing is just an intended use of the claimed element <XML>. Response to applicant's argument see the rejection above.

c. Claims 5 and 10, Applicant argues that " Taylor does not teach SOAP message header including a reference to <any> data included with the body of the message". The use of <any> and referencing is well known in SOAP, XML and message exchanging between client and server application. The (W3C) cited reference below, has detail information regarding the use of <ANY> and Taylor's teaches in (paragraph 265, 266, 267 and 268) object instance and calls by reference to objects. Therefore, referencing to objects is not

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something new, there is a function call by reference associated with XML model in paragraph 267 of Taylor's reference.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to the applicant's disclosure.

James Clark , November 16, 1999, W3C " XSL transformation (XSLT) ".

Ringseth et al. (US 7055143) discloses a system and method for providing a declarative syntax for Specification SOAP-BASED web services.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.


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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abdou Seye whose telephone number is (571) 270-1062. The examiner can normally be reached on Mon - Fri, 7:30am - 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Thomson can be reached on 571-272-3718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

AKS

February 19, 2007


WILLIAM THOMSON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100
William Thomson
Supervisory Patent Examiner